Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/29/2022 09:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124968	-1	1.62	124886	1.60
Blue	F	SSC	125000	123737	-2	3.15	124239	3.04
Blue	E	FITC	13602	13202	-3	2.49	369	13.74
Blue	D	PE	24891	24482	-2	1.92	581	10.56
Blue	B	PerCP-Cy5-5	33972	33254	-3	3.21	949	14.94
Blue	A	PE-Cy7	22865	22938	0	5.09	478	30.98
Red	C	APC	47198	46898	-1	2.60	1619	11.24
Red	A	APC-Cy7	26454	25675	-3	3.07	724	12.07
Violet	B	V450	6737	6556	-3	3.84	458	11.43
Violet	A	V500	29317	28344	-4	3.45	972	8.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24152	2.67	564	29	N/A	N/A	Pass
Blue	F	SSC	55614	2.24	521	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	488	4	0.0400	47	Pass
Blue	D	PE	112	37.53	491	5	0.3575	223	Pass
Blue	B	PerCP-Cy5-5	149	42.36	584	5	0.0201	107	Pass
Blue	A	PE-Cy7	79	79.43	628	7	0.0215	0	Pass
Red	C	APC	338	25.85	574	2	0.0300	239	Pass
Red	A	APC-Cy7	134	34.42	551	0	0.0067	1389	Pass
Violet	B	V450	78	47.27	444	-6	0.0610	2613	Pass
Violet	A	V500	113	32.62	463	-6	0.0254	1111	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.06	-31.83	1.14
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.74	13.90 - 20.86	N/A	N/A	30.10	30.41	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13607

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments